

| Ref # | Hits | Search Query   | DBs              | Default Operator | Plurals | Time Stamp       |
|-------|------|--|------------------|------------------|---------|------------------|
| S1    | 1    | "5864544".pn.  | US-PGPUB ; USPAT | OR               | OFF     | 2004/11/08 15:21 |
| S2    | 1    | "5285443".pn.  | US-PGPUB ; USPAT | OR               | OFF     | 2004/11/08 15:27 |
| S3    | 1    | "5896425".pn.  | US-PGPUB ; USPAT | OR               | OFF     | 2004/11/08 15:31 |
| S4    | 1    | "4438511".pn.  | US-PGPUB ; USPAT | OR               | OFF     | 2004/11/08 15:35 |
| S5    | 1    | "6088386".pn.  | US-PGPUB ; USPAT | OR               | OFF     | 2004/11/08 15:36 |
| S6    | 1    | "20010050960".pn.  | US-PGPUB ; USPAT | OR               | OFF     | 2004/11/08 15:36 |
| S7    | 3    | ("5317596"   "5331670"   "5872810") .PN.   | USPAT            | OR               | OFF     | 2004/11/08 15:42 |
| S8    | 3    | "6088386".URPN.  | USPAT            | OR               | OFF     | 2004/11/08 15:42 |
| S9    | 1    | "6628738".pn.  | US-PGPUB ; USPAT | OR               | OFF     | 2004/11/08 15:45 |
| S10   | 1    | "20040156441".pn.  | US-PGPUB ; USPAT | OR               | OFF     | 2004/11/08 15:46 |
| S11   | 1    | "6366554".pn.  | US-PGPUB ; USPAT | OR               | OFF     | 2004/11/08 15:46 |
| S12   | 4    | ("4679227"   "5640431"   "5818872"   "6115433") .PN.   | USPAT            | OR               | OFF     | 2004/11/08 16:01 |
| S13   | 2    | "6628738".URPN.  | USPAT            | OR               | OFF     | 2004/11/08 16:01 |
| S14   | 9    | ("5187711"   "5228025"   "5285474"   "5506871"   "5636246"   "5652772"   "5822372"   "5901180"   "5940406") .PN. | USPAT            | OR               | OFF     | 2004/11/08 16:09 |
| S15   | 2    | "6366554".URPN.  | USPAT            | OR               | OFF     | 2004/11/08 16:09 |
| S19   | 70   | 370/278.cc1s. AND carrier  | US-PGPUB ; USPAT | OR               | ON      | 2005/01/12 10:18 |
| S20   | 167  | 370/280.cc1s. AND carrier  | US-PGPUB ; USPAT | OR               | ON      | 2005/01/12 11:12 |
| S21   | 4    | 370/278.cc1s. AND (carrier SAME orthogonal\$)  | US-PGPUB ; USPAT | OR               | ON      | 2005/01/12 10:14 |
| S22   | 12   | 370/280.cc1s. AND (carrier SAME orthogonal\$)  | US-PGPUB ; USPAT | OR               | ON      | 2005/01/12 10:15 |
| S44   | 26   | 370/203.cc1s. AND (carrier SAME orthogonal\$ SAME rate SAME frequency)   | US-PGPUB ; USPAT | OR               | ON      | 2005/01/12 15:38 |
| S45   | 46   | 370/206.cc1s. AND (carrier SAME orthogonal\$ SAME rate SAME frequency)   | US-PGPUB ; USPAT | OR               | ON      | 2005/01/12 11:52 |

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|-----|----|---|-------------------------------|----|-----|---------------------|
| S46 | 74 | 370/208.cccls. AND<br>(carrier SAME orthogonal\$<br>SAME rate SAME frequency)   | US-PGPUB<br>; USPAT           | OR | ON  | 2005/01/12<br>12:00 |
| S47 | 13 | 370/203.cccls. AND (pilot<br>ADJ carrier)   | US-PGPUB<br>; USPAT           | OR | ON  | 2005/01/12<br>12:16 |
| S48 | 18 | 370/206.cccls. AND (pilot<br>ADJ carrier)   | US-PGPUB<br>; USPAT           | OR | ON  | 2005/01/12<br>14:38 |
| S49 | 29 | 370/208.cccls. AND (pilot<br>ADJ carrier)   | US-PGPUB<br>; USPAT           | OR | ON  | 2005/01/12<br>12:57 |
| S50 | 1  | "4,901,307".pn.   | US-PGPUB<br>; USPAT           | OR | ON  | 2005/01/12<br>12:16 |
| S52 | 10 | ("5726978"   "5748677"<br>"5867478"   "5889759"<br>"6243424"   "6298035"<br>"6347071"   "6545997"<br>"6584092") PN. OR<br>("6721569") URPN. | US-PGPUB<br>; USPAT;<br>USOCR | OR | OFF | 2005/01/12<br>14:25 |
| S53 | 8  | ("5596582"   "5602835"  <br>"6035003"   "6181714"  <br>"6359938"   "6366554"  <br>"6449245"   "6493395").<br>PN. OR ("6625111").URPN.       | US-PGPUB<br>; USPAT;<br>USOCR | OR | OFF | 2005/01/12<br>14:36 |
| S54 | 46 | 370/210.cccls. AND<br>(carrier SAME orthogonal\$<br>SAME rate SAME frequency)   | US-PGPUB<br>; USPAT           | OR | ON  | 2005/01/12<br>15:13 |
| S55 | 2  | 370/280.cccls. AND<br>(carrier SAME orthogonal\$<br>SAME rate SAME frequency)   | US-PGPUB<br>; USPAT           | OR | ON  | 2005/01/12<br>15:10 |
| S56 | 0  | 370/352.cccls. AND<br>(carrier SAME orthogonal\$<br>SAME rate SAME frequency)   | US-PGPUB<br>; USPAT           | OR | ON  | 2005/01/12<br>14:38 |
| S57 | 8  | 370/484.cccls. AND<br>(carrier SAME orthogonal\$<br>SAME rate SAME frequency)   | US-PGPUB<br>; USPAT           | OR | ON  | 2005/01/12<br>15:10 |
| S58 | 0  | 370/494.cccls. AND<br>(carrier SAME orthogonal\$<br>SAME rate SAME frequency)   | US-PGPUB<br>; USPAT           | OR | ON  | 2005/01/12<br>14:38 |
| S59 | 0  | 370/495.cccls. AND<br>(carrier SAME orthogonal\$<br>SAME rate SAME frequency)   | US-PGPUB<br>; USPAT           | OR | ON  | 2005/01/12<br>14:38 |
| S60 | 12 | 370/210.cccls. AND (pilot<br>ADJ carrier)   | US-PGPUB<br>; USPAT           | OR | ON  | 2005/01/12<br>15:12 |
| S61 | 1  | 370/280.cccls. AND (pilot<br>ADJ carrier)   | US-PGPUB<br>; USPAT           | OR | ON  | 2005/01/12<br>15:13 |
| S62 | 3  | 370/352.cccls. AND (pilot<br>ADJ carrier)   | US-PGPUB<br>; USPAT           | OR | ON  | 2005/01/12<br>15:13 |
| S63 | 2  | 370/484.cccls. AND (pilot<br>ADJ carrier)   | US-PGPUB<br>; USPAT           | OR | ON  | 2005/01/12<br>15:13 |
| S64 | 0  | 370/494.cccls. AND (pilot<br>ADJ carrier)   | US-PGPUB<br>; USPAT           | OR | ON  | 2005/01/12<br>16:39 |
| S65 | 0  | 370/495.cccls. AND (pilot<br>ADJ carrier)   | US-PGPUB<br>; USPAT           | OR | ON  | 2005/01/12<br>14:38 |

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|-----|----|--|-------------------------|----|-----|------------------|
| S66 | 16 | ("5228062"   "5444697"   "5479447"   "5636246"   "5652772"   "5889759"   "6014412") . PN. OR ("6181714") . URPN.   | US-PGPUB ; USPAT; USOCR | OR | OFF | 2005/01/12 15:00 |
| S67 | 58 | ("5134634"   "5206886"   "5228062"   "5311550"   "5313169"   "5313497"   "5371761") . PN. OR ("5602835") . URPN.   | US-PGPUB ; USPAT; USOCR | OR | OFF | 2005/01/12 15:03 |
| S68 | 11 | ("5694389"   "5822323"   "5838734"   "5898665"   "5946292"   "5956318"   "5959965"   "5987063"   "6130915"   "6320917"   "6341123") . PN. OR ("6618352") . URPN. | US-PGPUB ; USPAT; USOCR | OR | OFF | 2005/01/12 15:37 |
| S69 | 29 | 370/203.cc1s. AND (carrier WITH frequency WITH rate)   | US-PGPUB ; USPAT        | OR | ON  | 2005/01/12 15:47 |
| S70 | 0  | 370/203.cc1s. AND ((pilot ADJ carrier) WITH frequency WITH rate)   | US-PGPUB ; USPAT        | OR | ON  | 2005/01/12 15:40 |
| S71 | 51 | 370/206.cc1s. AND (carrier WITH frequency WITH rate)   | US-PGPUB ; USPAT        | OR | ON  | 2005/01/12 15:51 |
| S72 | 68 | 370/208.cc1s. AND (carrier WITH frequency WITH rate)   | US-PGPUB ; USPAT        | OR | ON  | 2005/01/12 15:56 |
| S73 | 41 | 370/210.cc1s. AND (carrier WITH frequency WITH rate)   | US-PGPUB ; USPAT        | OR | ON  | 2005/01/12 16:02 |
| S74 | 7  | 370/280.cc1s. AND (carrier WITH frequency WITH rate)   | US-PGPUB ; USPAT        | OR | ON  | 2005/01/12 16:07 |
| S75 | 15 | 370/352.cc1s. AND (carrier WITH frequency WITH rate)   | US-PGPUB ; USPAT        | OR | ON  | 2005/01/12 16:08 |
| S76 | 14 | 370/484.cc1s. AND (carrier WITH frequency WITH rate)   | US-PGPUB ; USPAT        | OR | ON  | 2005/01/12 16:09 |
| S77 | 2  | 370/494.cc1s. AND (carrier WITH frequency WITH rate)   | US-PGPUB ; USPAT        | OR | ON  | 2005/01/12 16:11 |
| S78 | 2  | 370/495.cc1s. AND (carrier WITH frequency WITH rate)   | US-PGPUB ; USPAT        | OR | ON  | 2005/01/12 16:11 |
| S79 | 1  | 370/206.cc1s. AND ((pilot ADJ carrier) WITH frequency WITH rate)   | US-PGPUB ; USPAT        | OR | ON  | 2005/01/12 16:12 |
| S80 | 1  | 370/208.cc1s. AND ((pilot ADJ carrier) WITH frequency WITH rate)   | US-PGPUB ; USPAT        | OR | ON  | 2005/01/12 16:12 |
| S81 | 0  | 370/210.cc1s. AND ((pilot ADJ carrier) WITH frequency WITH rate)   | US-PGPUB ; USPAT        | OR | ON  | 2005/01/12 15:40 |

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|-------|-----|--|------------------|----|----|---------------------|
| S82   | 1   | 370/280.ccls. AND ((pilot ADJ carrier) WITH frequency WITH rate)   | US-PGPUB ; USPAT | OR | ON | 2005/01/12<br>16:12 |
| S83   | 0   | 370/352.ccls. AND ((pilot ADJ carrier) WITH frequency WITH rate)   | US-PGPUB ; USPAT | OR | ON | 2005/01/12<br>15:40 |
| S84   | 0   | 370/484.ccls. AND ((pilot ADJ carrier) WITH frequency WITH rate)   | US-PGPUB ; USPAT | OR | ON | 2005/01/12<br>15:40 |
| S85   | 0   | 370/494.ccls. AND ((pilot ADJ carrier) WITH frequency WITH rate)   | US-PGPUB ; USPAT | OR | ON | 2005/01/12<br>15:40 |
| S86   | 0   | 370/495.ccls. AND ((pilot ADJ carrier) WITH frequency WITH rate)   | US-PGPUB ; USPAT | OR | ON | 2005/01/12<br>15:40 |
| S87   | 6   | "370".clas. AND ((pilot ADJ carrier) WITH frequency WITH rate)     | US-PGPUB ; USPAT | OR | ON | 2005/01/12<br>16:12 |
| S88   | 27  | "375".clas. AND ((pilot ADJ carrier) WITH frequency WITH rate)     | US-PGPUB ; USPAT | OR | ON | 2005/01/12<br>16:14 |
| S89   | 6   | 370/203.ccls. AND (pilot WITH frequency WITH rate)                 | US-PGPUB ; USPAT | OR | ON | 2005/01/12<br>17:41 |
| S90   | 4   | 370/206.ccls. AND (pilot WITH frequency WITH rate)                 | US-PGPUB ; USPAT | OR | ON | 2005/01/12<br>17:42 |
| S91   | 6   | 370/208.ccls. AND (pilot WITH frequency WITH rate)                 | US-PGPUB ; USPAT | OR | ON | 2005/01/12<br>17:43 |
| S92   | 1   | 370/210.ccls. AND (pilot WITH frequency WITH rate)                 | US-PGPUB ; USPAT | OR | ON | 2005/01/12<br>17:44 |
| S93   | 1   | 370/280.ccls. AND (pilot WITH frequency WITH rate)                 | US-PGPUB ; USPAT | OR | ON | 2005/01/12<br>17:44 |
| S94   | 0   | 370/352.ccls. AND (pilot WITH frequency WITH rate)                 | US-PGPUB ; USPAT | OR | ON | 2005/01/12<br>17:40 |
| S95   | 0   | 370/484.ccls. AND (pilot WITH frequency WITH rate)                 | US-PGPUB ; USPAT | OR | ON | 2005/01/12<br>17:40 |
| S96   | 0   | 370/494.ccls. AND (pilot WITH frequency WITH rate)                 | US-PGPUB ; USPAT | OR | ON | 2005/01/12<br>17:41 |
| S97   | 0   | 370/495.ccls. AND (pilot WITH frequency WITH rate)                 | US-PGPUB ; USPAT | OR | ON | 2005/01/12<br>17:41 |
| S98   | 91  | "370".clas. AND (pilot WITH frequency WITH rate)                   | US-PGPUB ; USPAT | OR | ON | 2005/01/12<br>17:45 |
| S99   | 160 | "375".clas. AND (pilot WITH frequency WITH rate)                   | US-PGPUB ; USPAT | OR | ON | 2005/01/12<br>18:02 |
| S10 2 | 59  | "370".clas. AND (carrier WITH orthogonal WITH frequency WITH rate) | US-PGPUB ; USPAT | OR | ON | 2005/01/12<br>18:40 |
| S10 3 | 67  | "375".clas. AND (carrier WITH orthogonal WITH frequency WITH rate) | US-PGPUB ; USPAT | OR | ON | 2005/01/13<br>09:08 |